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APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/618,700	0/618,700 07/15/2003		Katsuhide Tsukamoto	030765 4917	
23850	7590 12/22/2003			EXAMINER	
	•	ATZ, QUINTOS, I	HINZE, LEO T		
1725 K STR SUITE 1000	•			ART UNIT	PAPER NUMBER
WASHINGT		20006		2854	

DATE MAILED: 12/22/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

		Appl	ication No.	Applicant(s)						
		10/6	18,700	TSUKAMOTO ET	TSUKAMOTO ET AL.					
	Office Action Summary	Exar	niner	Art Unit	<u></u>					
		Leo -	T. Hinze	2854						
	The MAILING DATE of this commu	unication appears o	n the cover sheet	with the correspondence ac	idress					
Period fo	• •									
THE I - External - If the - If NO - Failu - Any r - earne	ORTENED STATUTORY PERIOD MAILING DATE OF THIS COMMUNICATION OF THIS COMMUNICATION OF THIS COMMUNICATION OF THE PROVISION OF T	NICATION. ns of 37 CFR 1.136(a). In mmunication. (30) days, a reply within the statutory period will apply oly will, by statute, cause the after the mailing date of the status of the	no event, however, may a he statutory minimum of the and will expire SIX (6) Mo he application to become	a reply be timely filed hirty (30) days will be considered time ONTHS from the mailing date of this of ABANDONED (35 U.S.C. § 133).	ly, :ommunication.					
Status		<u>.</u>								
1)	Responsive to communication(s) filed on <u>15 July 2003</u> .									
· <u></u>		2b)⊠ This action								
3)	Since this application is in condition closed in accordance with the practice.				e merits is					
Dispositi	ion of Claims									
4)⊠	Claim(s) 1-3 is/are pending in the application.									
	4a) Of the above claim(s) is/are withdrawn from consideration.									
·	Claim(s) is/are allowed.									
·	Claim(s) <u>1-3</u> is/are rejected.									
	Claim(s) is/are objected to.									
	Claim(s) are subject to rest	nction and/or elect	ion requirement.							
Applicati	ion Papers									
	The specification is objected to by									
10)⊠	The drawing(s) filed on 15 July 200			· ·						
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).									
111	Replacement drawing sheet(s) including the costs of declaration is objected.	_	- ·		• •					
•	The oath or declaration is objected	to by the Examine	i. Note the attach	ed Office Action of John P	10-152.					
•	under 35 U.S.C. §§ 119 and 120	66	· · · · · · · · · · · · · · · · · · ·	0.440(=) (=) == (5)						
	Acknowledgment is made of a clai		ty under 35 U.S.C	. § 119(a)-(d) or (f).						
۵,	1.⊠ Certified copies of the priorit		e been received.							
	2. Certified copies of the priorit	-			. •					
	3. Copies of the certified copie application from the Internat	•		n received in this National	Stage					
* 5	See the attached detailed Office act	•	` ''	ot received.						
S	Acknowledgment is made of a claim ince a specific reference was included 7 CFR 1.78.		•		• •					
) The translation of the foreign I	anguage provision	al application has	been received.						
14) 🗌 🗸	Acknowledgment is made of a claim eference was included in the first se	for domestic prior	ity under 35 U.S.C	C. §§ 120 and/or 121 since	•					
Attachmen	t(s)									
	e of References Cited (PTO-892)		4) Interview	v Summary (PTO-413) Paper No	(s)					
2) Notice	e of Draftsperson's Patent Drawing Review mation Disclosure Statement(s) (PTO-1449)	•	· —	f Informal Patent Application (PT	· • ——					

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1 and 2 are rejected under 35 U.S.C. 102(b) as being anticipated by Beldham et al., US 5,059,954.

Regarding claim 1, Beldham et al. teach a liquid level detector wherein a nozzle (16) is arranged in a container (12) containing liquid (14), and air is discharged into the liquid from an opening of said nozzle and the back pressure in said nozzle is detected ("pressure switch 20 can sense the pressure in the probe", col. 3, lines 16-18), thereby the liquid level is detected, and said liquid level detector being characterized by said opening of said nozzle (18) is arranged to be inclined with respect to the liquid level (Figure).

Regarding claim 2, Beldham et al. teach wherein said opening (18) of said nozzle (16) is opened in a direction inclined with respect to the axial direction of said nozzle (Figure).

3. Claims 1 and 3 are rejected under 35 U.S.C. 102(b) as being anticipated by Brown et al., US 3,307,397.

Regarding claim 1, Brown et al. teach a liquid level detector wherein a nozzle (4) is arranged in a container (6) containing liquid (8), and air is discharged into the liquid from an

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opening of said nozzle and the back pressure in said nozzle is detected, thereby the liquid level is

detected (col. 1, lines 20-31), and said liquid level detector being characterized by said opening

of said nozzle (4) is arranged to be inclined with respect to the liquid level (Fig. 1).

Regarding claim 3, Brown et al. teach wherein said opening of said nozzle (4) is opened

in a direction generally perpendicular to the axial direction of said nozzle, and said nozzle is

arranged with the axis thereof inclined with respect to said liquid level (Fig. 1).

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Leo T. Hinze whose telephone number is (703) 305-3339. The

examiner can normally be reached on M-F 8:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Andrew Hirshfeld can be reached on (703) 305-6619. The fax phone number for the

organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is (703) 305-0952.

ANDREW H. HIRSHFELD
SUPERVISORY PATENT EXAMINER

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Leo T. Hinze
Patent Examiner
AU 2854
12 December, 2003